

## Appendix A. Sample SQL File Used to Buffer SQL

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1 #acta_start_transaction#
2 drop table "TESTLL1"
3 #acta_sql_separator#
4 #acta_start_transaction#
5 create table "TESTLL1" ( "EMPNO" integer not null , "ENAME" varchar
6 (10) null , "JOB" varchar (9) null , "MGR" decimal(4, 0) null ,
7 "HIREDATE" datetime null , "SAL" integer null , "COMM" integer null ,
8 "DEPTNO" integer null , primary key ( "EMPNO" )
9 #acta_sql_separator#
10 #acta_start_transaction#
11 delete from mats_emp_empty
12 #acta_sql_separator#
13 #acta_start_transaction#
14 if exists (select 1 from "TESTLL1" where "EMPNO" = 7369 ) update
15 "TESTLL1" set "EMPNO" = 7369, "ENAME" = 'Smith', "JOB" = 'Clerk', "MGR" =
16 7902, "HIREDATE" = '1980-12-17 00:00:00.00', "SAL" = 800, "COMM" =
17 NULL, "DEPTNO" = 20 where "EMPNO" = 7369 else insert into "TESTLL1"
18 ("EMPNO", "ENAME", "JOB", "MGR", "HIREDATE", "SAL", "COMM", "DEPTNO")
19 values (7369, 'Smith', 'Clerk', 7902, '1980-12-17 00:00:00.00', 800,
20 NULL, 20) if exists (select 1 from "TESTLL1" where "EMPNO" = 7499 )
21 update "TESTLL1" set "EMPNO" = 7499, "ENAME" = 'Allen', "JOB" =
22 'Salesman', "MGR" = 7698, "HIREDATE" = '1981-02-20 00:00:00.00', "SAL" =
23 1600, "COMM" = 300, "DEPTNO" = 30 where "EMPNO" = 7499 else insert into
24 "TESTLL1" ("EMPNO", "ENAME", "JOB", "MGR", "HIREDATE", "SAL", "COMM",
25 "DEPTNO") values (7499, 'Allen', 'Salesman', 7698, '1981-02-20
00:00:00.00', 1600, 300, 30) if exists (select 1 from "TESTLL1" where
27 "EMPNO" = 7521 ) update "TESTLL1" set "EMPNO" = 7521, "ENAME" = 'Ward',
28 "JOB" = 'Salesman', "MGR" = 7698, "HIREDATE" = '1981-02-22 00:00:00.00',
29 "SAL" = 1250, "COMM" = 500, "DEPTNO" = 30 where "EMPNO" = 7521 else
30 insert into "TESTLL1" ("EMPNO", "ENAME", "JOB", "MGR", "HIREDATE",
31 "SAL", "COMM", "DEPTNO") values (7521, 'Ward', 'Salesman', 7698, '1981-
02-22 00:00:00.00', 1250, 500, 30) if exists (select 1 from "TESTLL1"
33 where "EMPNO" = 7566 ) update "TESTLL1" set "EMPNO" = 7566, "ENAME" =
34 'Jones', "JOB" = 'Manager', "MGR" = 7839, "HIREDATE" = '1981-04-02
00:00:00.00', "SAL" = 2975, "COMM" = NULL, "DEPTNO" = 20 where "EMPNO" =
36 7566 else insert into "TESTLL1" ("EMPNO", "ENAME", "JOB", "MGR",
37 "HIREDATE", "SAL", "COMM", "DEPTNO") values (7566, 'Jones', 'Manager',
38 7839, '1981-04-02 00:00:00.00', 2975, NULL, 20) if exists (select 1
39 from "TESTLL1" where "EMPNO" = 7654 ) update "TESTLL1" set "EMPNO" =
40 7654, "ENAME" = 'Martin', "JOB" = 'Salesman', "MGR" = 7698, "HIREDATE" =
41 '1981-09-28 00:00:00.00', "SAL" = 1250, "COMM" = 1400, "DEPTNO" = 30
42 where "EMPNO" = 7654 else insert into "TESTLL1" ("EMPNO", "ENAME",
43 "JOB", "MGR", "HIREDATE", "SAL", "COMM", "DEPTNO") values (7654,
44 'Martin', 'Salesman', 7698, '1981-09-28 00:00:00.00', 1250, 1400, 30)
45 if exists (select 1 from "TESTLL1" where "EMPNO" = 7698 ) update
46 "TESTLL1" set "EMPNO" = 7698, "ENAME" = 'Blake', "JOB" = 'Manager',
47 "MGR" = 7839, "HIREDATE" = '1981-05-01 00:00:00.00', "SAL" = 2850,
48 "COMM" = NULL, "DEPTNO" = 30 where "EMPNO" = 7698 else insert into
49 "TESTLL1" ("EMPNO", "ENAME", "JOB", "MGR", "HIREDATE", "SAL", "COMM",
50 "DEPTNO") values (7698, 'Blake', 'Manager', 7839, '1981-05-01
00:00:00.00', 2850, NULL, 30) if exists (select 1 from "TESTLL1" where
52 "EMPNO" = 7782 ) update "TESTLL1" set "EMPNO" = 7782, "ENAME" = 'Clark',
53 "JOB" = 'Manager', "MGR" = 7839, "HIREDATE" = '1981-06-09 00:00:00.00',
54 "SAL" = 2450, "COMM" = NULL, "DEPTNO" = 10 where "EMPNO" = 7782 else
55 insert into "TESTLL1" ("EMPNO", "ENAME", "JOB", "MGR", "HIREDATE",
56 "SAL", "COMM", "DEPTNO") values (7782, 'Clark', 'Manager', 7839, '1981-
06-09 00:00:00.00', 2450, NULL, 10) if exists (select 1 from "TESTLL1"
58 where "EMPNO" = 7788 ) update "TESTLL1" set "EMPNO" = 7788, "ENAME" =
59 'Scott', "JOB" = 'Analyst', "MGR" = 7566, "HIREDATE" = '1987-04-19
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60 00:00:00.00', "SAL" = 3000, "COMM" = NULL, "DEPTNO" = 20 where "EMPNO" =
61 7788 else insert into "TESTLLL1" ("EMPNO", "ENAME", "JOB", "MGR",
62 "HIREDATE", "SAL", "COMM", "DEPTNO") values (7788, 'Scott', 'Analyst',
63 7566, '1987-04-19 00:00:00.00', 3000, NULL, 20) if exists (select 1
64 from "TESTLLL1" where "EMPNO" = 7844 ) update "TESTLLL1" set "EMPNO" =
65 7844, "ENAME" = 'Turner', "JOB" = 'Salesman', "MGR" = 7698, "HIREDATE" =
66 '1981-09-08 00:00:00.00', "SAL" = 1500, "COMM" = NULL, "DEPTNO" = 30
67 where "EMPNO" = 7844 else insert into "TESTLLL1" ("EMPNO", "ENAME",
68 "JOB", "MGR", "HIREDATE", "SAL", "COMM", "DEPTNO") values (7844,
69 'Turner', 'Salesman', 7698, '1981-09-08 00:00:00.00', 1500, NULL, 30)
70 if exists (select 1 from "TESTLLL1" where "EMPNO" = 7876 ) update
71 "TESTLLL1" set "EMPNO" = 7876, "ENAME" = 'Adams', "JOB" = 'Clerk', "MGR"
72 = 7788, "HIREDATE" = '1987-05-23 00:00:00.00', "SAL" = 1100, "COMM" =
73 NULL, "DEPTNO" = 20 where "EMPNO" = 7876 else insert into "TESTLLL1"
74 ("EMPNO", "ENAME", "JOB", "MGR", "HIREDATE", "SAL", "COMM", "DEPTNO")
75 values (7876, 'Adams', 'Clerk', 7788, '1987-05-23 00:00:00.00', 1100,
76 NULL, 20)
77 #acta_sql_separator#
78 #acta_start_transaction#
79 if exists (select 1 from "TESTLLL1" where "EMPNO" = 7900 ) update
80 "TESTLLL1" set "EMPNO" = 7900, "ENAME" = 'James', "JOB" = 'Clerk', "MGR"
81 = 7698, "HIREDATE" = '1981-12-03 00:00:00.00', "SAL" = 950, "COMM" =
82 NULL, "DEPTNO" = 30 where "EMPNO" = 7900 else insert into "TESTLLL1"
83 ("EMPNO", "ENAME", "JOB", "MGR", "HIREDATE", "SAL", "COMM", "DEPTNO")
84 values (7900, 'James', 'Clerk', 7698, '1981-12-03 00:00:00.00', 950,
85 NULL, 30) if exists (select 1 from "TESTLLL1" where "EMPNO" = 7902 )
86 update "TESTLLL1" set "EMPNO" = 7902, "ENAME" = 'Ford', "JOB" =
87 'Analyst', "MGR" = 7566, "HIREDATE" = '1981-12-03 00:00:00.00', "SAL" =
88 3000, "COMM" = NULL, "DEPTNO" = 20 where "EMPNO" = 7902 else insert
89 into "TESTLLL1" ("EMPNO", "ENAME", "JOB", "MGR", "HIREDATE", "SAL",
90 "COMM", "DEPTNO") values (7902, 'Ford', 'Analyst', 7566, '1981-12-03
91 00:00:00.00', 3000, NULL, 20) if exists (select 1 from "TESTLLL1" where
92 "EMPNO" = 7934 ) update "TESTLLL1" set "EMPNO" = 7934, "ENAME" =
93 'Miller', "JOB" = 'Clerk', "MGR" = 7782, "HIREDATE" = '1982-01-23
94 00:00:00.00', "SAL" = 1300, "COMM" = NULL, "DEPTNO" = 10 where "EMPNO" =
95 7934 else insert into "TESTLLL1" ("EMPNO", "ENAME", "JOB", "MGR",
96 "HIREDATE", "SAL", "COMM", "DEPTNO") values (7934, 'Miller', 'Clerk',
97 7782, '1982-01-23 00:00:00.00', 1300, NULL, 10)
98 #acta_sql_separator#

```